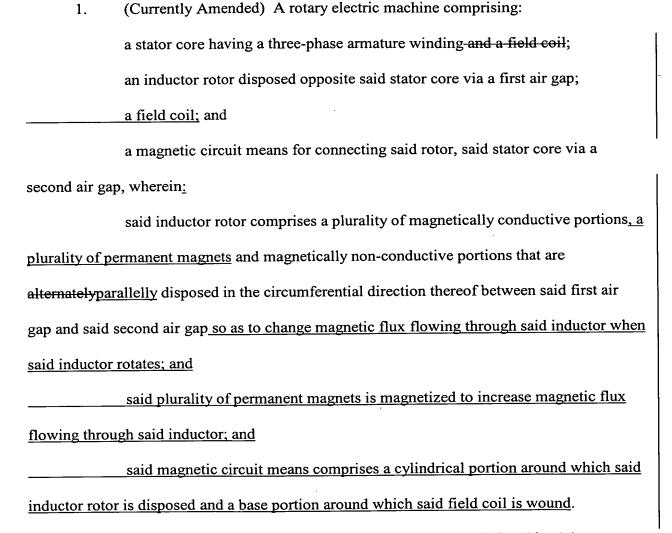
## Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:



- 2. (Currently Amended) The rotary electric machine as claimed in claim 1, wherein said inductor rotor comprises a plurality of permanent magnets having the same polarity is disposed in the circumferential direction thereof of said inductor rotor at two magnetic pole-pitches.
  - 3. (Canceled)

- 4. (Original) The rotary electric machine as claimed in claim 1, further comprising a rectifier unit connected to said armature winding for providing dc output power and a field current control unit connected to said field coil and said rectifier unit for supplying field current to said field coil.
  - 5. (New) A rotary electric machine comprising:

a stator core having a plurality of teeth on which a three-phase armature winding is mounted;

a generally cylindrical inductor rotor having a first peripheral surface disposed opposite said stator core via a first air gap and a second peripheral surface;

a magnetic circuit means for magnetically exciting said stator core through said inductor rotor, said magnetic circuit means having a first portion disposed opposite the second peripheral surface of said inductor rotor via a second air gap and a second portion disposed between said first portion and said stator core around which a field coil is wound; wherein:

said inductor rotor comprises a plurality of magnetically conductive portions disposed in the circumferential direction thereof to magnetically connect the teeth of said stator core and said first portion of said magnetic circuit means, a plurality of magnetically non-conductive portions and a plurality of permanent magnets magnetized to have a polarity opposite magnetic motive force of said stator core and disposed in parallel with the magnetically conductive portions.

- 6. (New) The rotary electric machine as claimed in claim 5 further comprising a frame, wherein said magnetic circuit means is integrated with said frame.
- 7. (New) The rotary electric machine as claimed in claim 6, wherein said frame is made of cast iron.

- 8. (New) The rotary electric machine as claimed in claim 5 further comprising a rotary shaft, wherein said first and second portions of said magnetic circuit means have an inner bore through which said rotary shaft extends to freely rotate.
- 9. (New) The rotary electric machine as claimed in claim 5, wherein said inductor rotor further comprises an outer ring, an inner ring and a plurality of honeycomb shaped slots disposed between said outer ring and inner ring.